

Morgan, et al.

U.S.S.N.: 09/689,343

Filed: October 12, 2000

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IN THE CLAIMS

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1. (amended) An isolated DNA coding for *MseI* restriction endonuclease, wherein the isolated DNA is obtainable from *Micrococcus species* NEB#446.
2. (amended) A recombinant DNA vector comprising a cloning vector into which a DNA segment coding for *MseI* restriction endonuclease has been inserted.
3. (amended) An isolated DNA coding for *MseI* restriction endonuclease and methylase, wherein the isolated DNA is obtainable from ATCC No. PTA-2421.
4. (original) A cloning vector which comprises the isolated DNA of claim 3.
5. (original) A host cell transformed by the cloning vector of claim 2 or 4.
6. (original) A method of producing the *MseI* restriction endonuclease comprising culturing a host cell transformed with the vector of claim 2 or 4 under conditions suitable for expression of said endonuclease.

Claims 7-15 (cancelled without prejudice).

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